

ABSTRACT

A carbon nanotube orientated composite formed by orientating carbon nanotubes in a given direction in a matrix having a heat conductivity lower than that of carbon nanotube, in which at least a part of
5 carbon nanotubes are contacted with each other to be continuous from one end to the other end between both ends in the orientated direction, is provided as a material having a heat conductivity considerably higher than that of copper, aluminum or the like or a material to be disposed in rubber material having a low heat releasing characteristic to considerably
10 improve the heat conduction, and also there are provided a method of producing the same as well as a pneumatic tire, a wheel for a vehicle, a tire-wheel assembly and a disc brake using this material.